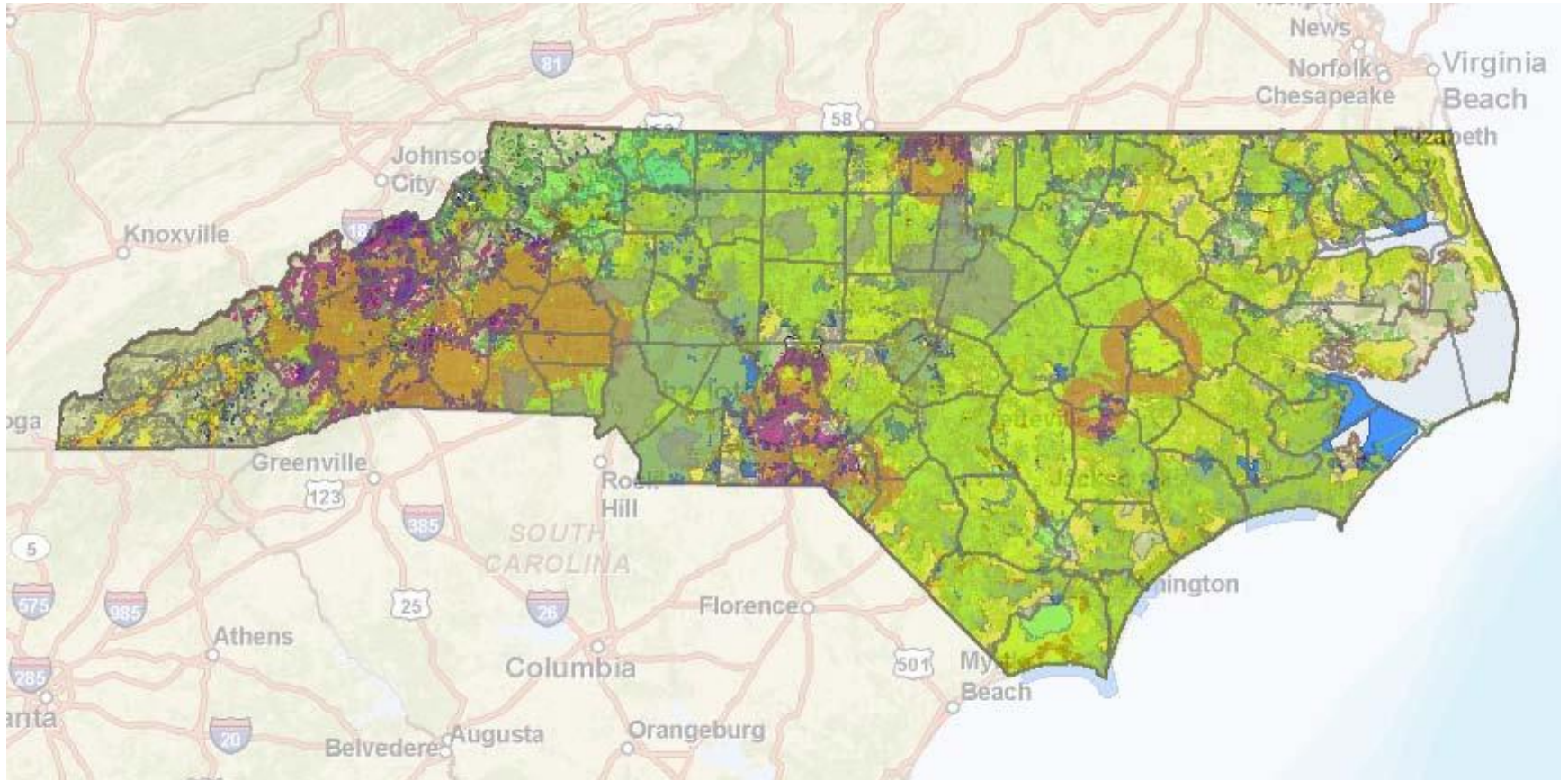


# The NC Broadband Map



*November 23, 2010*

# Reminders – Basic Elements of Data Collection and North Carolina Broadband Map

- Map interface designed and hosted by contractor Michael Baker Jr., Inc.
- Data provided by participating broadband providers
- Data collection and mapping work conducted by e-NC under the requirements of the National Telecommunications & Information Administration (NTIA)
- Broadband data is collected and submitted to NTIA and FCC mapping team for incorporation into a National Broadband Map – every 6 months (April 1 and October 1)
- Mapping project runs from Oct 2009 - Oct 2014
- Types of data collected is based on NTIA specifications



# Reminders – Basic Elements of Data Collection and North Carolina Broadband Map

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- Map will be updated every 6 months
- Current map is based on Fall 2010 Data Submission to NTIA (with data current as of June 2010):
  - 113 broadband providers identified
  - 56 participating providers for Fall data



# North Carolina Broadband Map

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- North Carolina Broadband Map – map of *provider data* only with other data used for verification purposes
- Broadband availability data from providers should reflect who they serve and who they *could* serve
- Broadband provider data is submitted:
  - by census block
  - or for census blocks of > 2 square miles – then by street segments (range of addresses) or by address level (specific addresses)
- Note: there are over 233,000 census blocks in the state
- For data submitted as address points, map aggregates the address points into street segments. Specific addresses cannot be mapped due to NDAs with providers.
- Map is searchable by address. Accuracy/level of detail depends on whether underlying data is submitted by census block, street segment or address level



# Some Things You Can Do With the Online Map

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- View broadband availability by technology type or any combination thereof
- Identify unserved areas at a glance
- Query information on available providers, technology types, and maximum advertised up and download speeds at any given location.
- Search and zoom to address, for viewing availability at a given home, business, or other location (green thumbtack)
- Search and zoom to specific boundaries including: county, municipality, zipcode, congressional district, house district, or senatorial district. (yellow thumbtack)



# Some Things You Can Do With the Online Map

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- View Anchor Institutions by category (Libraries and Schools, more to be added)
- Search Anchor Institutions by category or area boundary including: county, municipality, or zipcode
- Print map views to PDF using “PDF Report” buttons
- Give feedback to e-NC on the map
- Connect via hyperlink to e-NC’s new broadband speed test
- Draw “redlining” graphics on map and save to file

# Next Steps

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- North Carolina working with NTIA and other states on how to quantify the data
- Outreach to citizens and stakeholder groups to offer map as resource, receive feedback, and apply data to projects supporting broadband
- Streamlining of interface for optimal usability
- Adding Critical Anchor Institutions from all identified categories
- Development of an Advanced page with more in-depth layers, functions

# Next Steps

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- Development of a Provider log-in for exclusive viewing of service areas
- Production of non-confidential map layers available for download by request
- Preparation for Spring 2011 data collection
- Continued work on data submission assistance to make the process as seamless as possible for participating providers